

CALIFORNIA ENERGY COMMISSION

1516 Ninth Street
Sacramento, California 95814

Main website: www.energy.ca.gov



Notice of Staff Webinar Docket No. 12-BTSD-07

Draft Evaluation Report of Building Energy Efficiency Standards Compliance Option for Low-Sloped Roofs that Use Aggregate as the Surface Layer

The California Energy Commission staff will conduct a public webinar to discuss the Draft Evaluation Report to approve default aged solar reflectance and thermal emittance values for low-sloped roofs that use aggregate as the surface layer, when the aggregate meets specific eligibility criteria, for showing compliance with the *2008 Building Energy Efficiency Standards*. To gain compliance credit for “cool roof performance”, the standards require that currently approved alternative calculation methods use cool roof properties that are tested and certified by the Cool Roof Rating Council (CRRC).

The compliance option proposed in this report is consistent with the Compliance Options procedures in Section 10-109 of the *Building Energy Efficiency Standards*. The proposed compliance option would apply to low-sloped roofs installed on newly constructed buildings or additions or alterations to existing buildings, typically nonresidential.

December 18, 2012
10 am – 12 noon
CALIFORNIA ENERGY COMMISSION

Webinar only

Audio from this meeting will be broadcast over the Internet.

For details, please go to:

www.energy.ca.gov/webcast

Remote Attendance and Availability of Documents

Internet Webcast - Presentations and audio for the meeting will be broadcast via the Energy Commission’s WebEx web meeting service. For details on how to participate via WebEx, please see the “Remote Attendance” section toward the end of this notice.

This notice, the workshop agenda, and other related documents will be posted to the project website: www.energy.ca.gov/title24/2008standards/special_case_appliance/. Interested persons may sign up on a list server at that website to receive email updates about the review of this Compliance Option application.

Purpose

The *2008 Building Energy Efficiency Standards* require that to gain compliance credit for the performance of a cool roof, roofing materials must be tested and certified by the Cool Roof Rating Council (CRRC). The CRRC's procedures require that samples of all roofing products first be tested in a prescribed manner to determine the product's "initial" solar reflectance and thermal emittance, and then tested again over a three-year period to establish the product's "aged" solar reflectance. Currently approved alternative calculation methods must use CRRC tested values for these cool roof properties or assume default assumptions, when showing compliance with the *2008 Standards*. Under current CRRC procedures, roof samples must be transported to three certified testing facilities in different climate regions around the U.S. for aged testing. A staff proposed compliance option would establish a different default aged solar reflectance and thermal emittance for aggregate used as the surface layer of roof coverings for low-sloped roofs when testing cannot be achieved. The proposed compliance option would apply to new or altered roof systems in new or replacement low-slope roofs, most typically used on nonresidential construction.

Background

The *Building Energy Efficiency Standards* (Title 24, Part 1) Section 10-109, allow for the Energy Commission to approve new compliance options which cannot be properly accounted for in currently approved compliance methods. The Energy Commission is directed by Public Resources Code section 25402.1 to approve compliance options for products, materials and calculation methods for showing compliance when evidence supports the merits of the proposed compliance option. Compliance options represent new or additional ways to demonstrate compliance for products, materials, designs or procedures used in construction of new and existing buildings. Approved compliance options encourage market innovation and allow the Energy Commission to respond to changes in building design, construction, installation, and enforcement.

Written Comments

Written comments on the Draft Evaluation Report should be submitted to the Dockets Unit by 4:00 p.m. on December 28, 2012. All comments will become part of the public record of this matter. Additionally, comments may be posted to the Energy Commission's website for this matter.

The Energy Commission encourages comments by e-mail and electronic submission, up to 5 MB. Please include your name and any organization name. Comments should be in a downloadable, searchable format such as Microsoft® Word (.doc) or Adobe® Acrobat® (.pdf). For additional information, see Standing Order re: Proceedings and

Confidentiality Procedural Requirements for Filing, Service, and Docketing Documents with the Energy Commission, available at:

www.energy.ca.gov/dockets/documents/2011_Standing_Order_for_Documents.pdf.

Please include the docket number 12-BTSD-07 and indicate “Proposed Compliance Option for Low-Slope Roofs that Use Aggregate as the Surface Layer for Showing Compliance with the 2008 Building Energy Efficiency Standards” in the subject line. Send comments to: docket@energy.ca.gov.

If you prefer, you may send a paper copy of your comments to:

California Energy Commission
Dockets Office, MS-4
Re: Docket No. 12-BTSD-07

Proposed Compliance Option for Low-Slope Roofs
That Use Aggregate as the Surface Layer for Showing Compliance
With the 2008 Building Energy Efficiency Standards

1516 Ninth Street
Sacramento, CA 95814-5512

In addition, the Energy Commission will accept oral comments during the Webinar on December 18, 2012. Comments may be limited to three minutes per speaker. Any comments will become part of the public record in this proceeding.

Please note that your written and oral comments, attachments, and associated contact information (e.g. your address, phone, email, etc.) become part of the viewable public record. Additionally, this information may become available via Google, Yahoo, and any other search engines.

Public Participation

The Energy Commission’s Public Adviser’s Office provides the public assistance in participating in Energy Commission activities. If you want information on how to participate in this forum, please contact the Public Adviser’s Office at (916) 654-4489 or toll free at (800) 822-6228, by FAX at (916) 654-4493, or by e-mail at PublicAdviser@energy.ca.gov. If you have a disability and require assistance to participate, please contact Lou Quiroz at (916) 654-5146 at least five days in advance.

Please direct all news media inquiries to the Media and Public Communications Office at (916) 654-4989, or by e-mail at mediaoffice@energy.ca.gov. If you have questions on the technical subject matter of this meeting, please call David W. Ware at (916) 654-4168.

Remote Attendance

You may participate in this meeting through WebEx, the Energy Commission's online meeting service. Presentations will appear on your computer screen, and you may listen to audio via your computer or telephone. Please be aware that the meeting may be recorded.

To join a meeting:

VIA COMPUTER: Go to <https://energy.webex.com> and enter the unique meeting number: 928 582 213. When prompted, enter your name and the following meeting password: meeting@10.

The “Join Conference” menu will offer you a choice of audio connections:

1. To call into the meeting: Select "I will call in" and follow the on-screen directions.
2. International Attendees: Click on the "Global call-in number" link.
3. To have WebEx call you: Enter your phone number and click "Call Me."
4. To listen over the computer: If you have a broadband connection, and a headset or a computer microphone and speakers, you may use VoIP (Internet audio) by going to the Audio menu, clicking on “Use Computer Headset,” then “Call Using Computer.”

VIA TELEPHONE ONLY (no visual presentation): Call 1-866-469-3239 (toll-free in the U.S. and Canada). When prompted, enter the unique meeting number: 928 582 213. International callers may select their number from <https://energy.webex.com/energy/globalcallin.php>

VIA MOBILE ACCESS: Access to WebEx meetings is now available from your mobile device. To download an app, go to www.webex.com/overview/mobile-meetings.html.

If you have difficulty joining the meeting, please call the WebEx Technical Support number at 1-866-229-3239.

Date: December 8, 2012

List Servers: Efficiency, Title 24-Enforcement, Building Standards